

2217-855

1-12-2007

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

January 12, 2007

James L. Kunstman, Ph.D.
PBI/Gordon Corporation
P.O. Box 014090
Kansas City, MO 64101

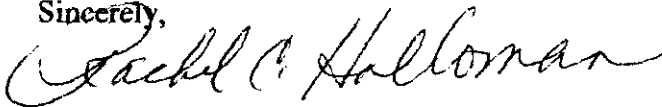
<p>SUBJECT: Applications for Pesticide Notification Gordon's Trimec® Weed and Feed for Sensitive Lawns EH-1352 Weed and Feed EH-1414 Weed and Feed Applications Dated December 20, 2006 1382 EC Residential Insecticide Application Dated December 13, 2006</p>	<p>EPA Reg. No. 2217-603 EPA Reg. No. 2217-819 EPA Reg. No. 2217-884855 EPA Reg. No. 2217-853884</p>
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Dear Dr. Kunstman:

The Agency is in receipt of your Applications for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above products. The Registration Division (RD) has conducted a preliminary screen of these requests for their applicability under PRN 98-10 and finds that the actions requested fall within the scope of PRN 98-10. The labels submitted with the applications have been stamped "Notification" and will be placed in our records.

If you have any questions, please me directly at 703-305-6249 or Terri Stowe of my staff at 703-305-6117.

Sincerely,

for 

Linda Arrington
 Notifications & Minor Formulations Team Leader
 Registration Division (7505P)
 Office of Pesticide Programs

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United States
Environmental Protection Agency
 Washington, DC 20460

- Registration
 Amendment
 Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 2217-855	2. EPA Product Manager Joanne I. Miller	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) 1382 EC Residential Herbicide	PM# Product Manager—Team 23	
5. Name and Address of Applicant (Include ZIP Code) PBI/Gordon Corporation Post Office Box 014090 Kansas City, Missouri 64101 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

- Amendment - Explain below.
 Resubmission in response to Agency letter dated _____
 Notification - Explain below.
 Final printed labels in response to Agency letter dated _____
 "Me Too" Application.
 Other - Explain below.

NOTIFICATION

JAN 12 2007

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification per Pesticide Registration Notice (PRN) 98-10:

We ask to add instructions for a **Ready-To-Use Hose-End Sprayer** that are consistent with the application rates and Directions for Use previously-approved. These instructions are presented as highlighted text on page 8 of the enclosed label.

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or Confidential Statement of Formula of this product. I understand that it is a violation of 18 U.S.C Sec. 1001 to willfully make any false statement to the EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under Section 12 and 14 of FIFRA.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify)		
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt.	No. per container
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Other _____ <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled					

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)					
Name James L. Kunstman, Ph.D.		Title Director of Regulatory Services		Telephone No. (Include Area Code) 816-460-6292	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or Both under applicable law.					6. Date Application Received (Stamped)
2. Signature 			3. Title Director of Regulatory Services		
4. Typed Name James L. Kunstman, Ph.D.			5. Date December 20, 2006		

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1382 EC RESIDENTIAL

NOTIFICATION

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ACTIVE INGREDIENTS:

2,4-D, 2-ethylhexyl ester	10.49
Mecoprop-p, acid	2.66
Dicamba, acid	0.67
Carfentrazone-ethyl	0.54
INERT INGREDIENTS:	85.64
TOTAL	100.00

THIS PRODUCT CONTAINS:

- 0.52 lbs. 2,4-dichlorophenoxyacetic acid equivalent per gallon or 6.96%.
- 0.20 lb. (+)-R-2-(2-methyl-4-chlorophenoxy)propionic acid equivalent per gallon or 2.66%.
- 0.05 lb. 3,6-dichloro-o-anisic acid equivalent per gallon or 0.67%.
- 0.04 lb. Ethyl α ,2-dichloro-5-[4(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]-4-fluorobenzenepropanoate or 0.54%

Isomer Specific by AOAC Methods.

Contains the single isomer form of Mecoprop-p.

TRIMEC® is a registered trademark of PBI/Gordon Corporation.

KEEP OUT OF REACH OF CHILDREN

CAUTION

First Aid

If swallowed:	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Do not induce vomiting unless told to by a poison control center or doctor. • Do not give any liquid to the person. • Do not give anything by mouth to an unconscious person.
If on skin:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 - 20 minutes. • Call a poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor or going for treatment.	
NOTE TO PHYSICIAN: Contains petroleum distillates - vomiting may cause aspiration pneumonia.	

See side panels for additional Precautionary Statements

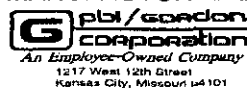
<p>NET CONTENTS: 1.0 pint, 1.0 quart, 2.0 quarts, 1.0 U.S. Gallon, 30 Gallons, 55 Gallons</p>
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AP122006

EPA Reg. No. 2217-855

EPA Est. No. 2217-KS-1

MANUFACTURED BY:



Telephone: 1-800-821-7925

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READ THE ENTIRE LABEL FIRST. OBSERVE ALL PRECAUTIONS AND FOLLOW DIRECTIONS CAREFULLY.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Harmful if absorbed through the skin. Avoid contact with skin, eyes, or clothing. Harmful if swallowed. When using this product, wear long-sleeved shirt, long pants, socks, shoes, and chemical resistant gloves.

Personal Hygiene Statements:

After using this product, rinse gloves before removing, remove clothing and launder separately before reuse, and promptly and thoroughly wash hands and exposed skin with soap and water. Remove saturated clothing as soon as possible and shower.

Engineering Control Statements:

Containers over 1 gallon and less than 5 gallons: Persons engaged in open pouring of this product must also wear coveralls or a chemical resistant apron.

Containers of 5 gallons or more: Do not open-pour from this container. A mechanical system (such as probe and pump or spigot) must be used for transferring the contents of this container. If the contents of a non-refillable pesticide container are emptied, the probe must be rinsed before removal.

ENVIRONMENTAL HAZARDS:

Carfentrazone-ethyl is very toxic to algae and moderately toxic to fish. This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and nontarget plants. Do not apply directly to water.

Do not contaminate water when disposing of equipment washwater. When cleaning equipment, do not pour the washwater on the ground; spray or drain over a large area away from wells and other water sources.

Most cases of groundwater contamination involving phenoxy herbicides such as 2,4-D and MCP-p have been associated with mixing, loading and disposal sites. Caution should be exercised when handling 2,4-D and MCP-p pesticides at such sites to prevent contamination of groundwater supplies. Use of closed systems for mixing or transferring this pesticide will reduce the probability of spills. Placement of the mixing/loading equipment on an impervious pad to contain spills will help prevent groundwater contamination.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treatment areas until spray has dried.

Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

PRODUCT DESCRIPTION:

This Trimec® product is a combination of four proven weed killers: 2,4-D, mecopro-p, dicamba and carfentrazone-ethyl. Postemergent applications of this product control a wide range of broadleaf lawn weeds in residential lawns including dandelion, chickweed, spurge, pennywort (dollarweed), knotweed, plantain, clover and ground ivy (creeping Charlie).

This product offers these advantages:

- Rapid and effective weed control for common and troublesome weed species in turfgrass
- Superior cool weather performance.
- Fast acting with evidence of injury within hours. Generally, the injury symptoms can be noticed within hours of the application and plant death can occur within 7 - 14 days.

WHERE TO USE:

This product is intended for use on most ornamental lawns including:

Cool Season Turfgrass

- Kentucky bluegrass
- Perennial ryegrass
- Tall fescue
- Red or fine leaf fescues
- Colonial bentgrass
- Mixtures of cool season species

Warm Season Turfgrass

- Common bermudagrass
- Hybrid bermudagrass
- Bahiagrass
- Zoysiagrass
- Buffalograss
- St. Augustinegrass
- Centipedegrass

Turfgrass tolerance:

The turfgrass tolerance to 1382 EC Residential may vary and temporary turfgrass yellowing may occur on St. Augustinegrass and certain varieties (F1) hybrids of hybrid bermudagrass.

1382 EC Residential may injure certain turfgrass species. To reduce risk of lawn injury, avoid spraying drought stressed lawns or when temperatures are above 90°F.

Prohibitions:

- Do not use this product on carpetgrass, dichondra or lawns containing desirable clovers.
- Do not apply this product to 'Floritam' or Bitterblue' varieties of St. Augustinegrass in Florida.
- Do not apply this product to St. Augustinegrass during spring green-up which is the transition period between dormancy and active growth.
- Do not spray roots of trees and ornamentals.
- Do not allow spray to drift onto vegetables, flowers, ornamental plants, shrubs, trees and other desirable plants since injury may result.
- Do not exceed specified dosages for any area. Be particularly careful within dripline of trees and other ornamental species.

WHEN TO APPLY:

Spray when broadleaf weeds are young and actively growing for best results.

1382 EC Residential may be applied in the spring, summer, or fall. Spring and fall treatments under adequate soil moisture conditions are preferred to the summer treatments. Generally, summer broadcast applications to older, drought stressed weeds are less effective.

Broadcast (entire areas) applications or follow-up applications at 2 - 6 week intervals are recommended for more mature weeds, for dense infestations, and for adverse environmental conditions.

Spot treatments during the summer may be appropriate for sparse infestations, or as a follow-up treatment, or any time broadleaf weeds are susceptible.

CULTURAL TIPS FOR IMPROVED CONTROL:

Irrigation:

- Do not apply this product immediately before rainfall or irrigation. Rain or watering within 4 hours after treatment may reduce effectiveness.

Mowing:

- Delay mowing 1 to 2 days before and after the application of this product.

Reseeding Interval:

- Treated areas may be reseeded 2 weeks after application.

THREE EASY STEPS TO MIX AND APPLY:

1. Determine (Measure) the lawn area to be sprayed. Calculate square feet by multiplying length by width. The application rate for this product is presented as fl.oz. (tablespoons) per 1,000 sq.ft. of lawn.
2. Use hand-operated sprayers (backpack sprayers, compression sprayers, knapsack sprayers or tank type) or hose end sprayers. Carefully measure and mix the proper amount of product with water. See below for instructions for the various types of sprayers.
3. Spray evenly over the lawn.

HOW MUCH TO USE:

I. BROADCAST TREATMENTS FOR COOL SEASON TURFGRASS:

Use rates of 1382 EC Residential on cool season turfgrass as broadcast treatments are presented in Table 1.

TABLE 1. RATE RECOMMENDATIONS FOR COOL SEASON TURFGRASS.

Species	Amount of Product	Treated Area, sq.ft.		
	fl.oz./1,000 sq.ft.	8.0 fl.oz. sprayer jar or retail container	1.0 pt. (16 fl.oz.) sprayer jar or retail container	1.0 qt. (32 fl.oz.) sprayer jar or retail container
Kentucky bluegrass	1.5 - 2.0	4,000 - 5,300 sq.ft	8,000 - 10,600 sq.ft	16,000 - 21,300 sq.ft
Perennial ryegrass	1.5 - 2.0	4,000 - 5,300 sq.ft	8,000 - 10,600 sq.ft	16,000 - 21,300 sq.ft
Tall fescue	1.5 - 2.0	4,000 - 5,300 sq.ft	8,000 - 10,600 sq.ft	16,000 - 21,300 sq.ft
Red or fine leaf fescues	1.5 - 2.0	4,000 - 5,300 sq.ft	8,000 - 10,600 sq.ft	16,000 - 21,300 sq.ft
Colonial bentgrass	1.5 - 2.0	4,000 - 5,300 sq.ft	8,000 - 10,600 sq.ft	16,000 - 21,300 sq.ft
Mixtures of cool season species	1.5 - 2.0	4,000 - 5,300 sq.ft	8,000 - 10,600 sq. ft	16,000 - 21,300 sq.ft

HOW TO APPLY:

FOR ORTHO HOSE-END SPRAYERS FOR COOL SEASON TURFGRASS

- **For Ortho® Dial'N Spray Hose-End Sprayer:** Measure 2.0 fl.oz. (4 Tbs.) into sprayer jar. Do not add water. Set dial on 1 oz. and spray uniformly on 1,000 sq.ft. of lawn.
- **For Ortho® Plant & Weed Sprayette® Hose-End Sprayer:** Measure 2.0 fl.oz. (4 Tbs.) into sprayer jar. Fill with water to the 5 gallon mark and spray to cover 1,000 sq.ft.
- **For Gilmour® 20-Gallon Lawn Sprayer, Model 390B, Sprayer Jar with 32 fl.oz. and Dilution Rate of 80:1:**
 - For 1.5 fl.oz. of product per 1,000 sq.ft.: Measure 10 fl.oz. of product into sprayer jar. Add water or fill with water to the 32 fl.oz. line of the sprayer jar. Spray entire contents uniformly on 6,700 sq.ft. of lawn.
 - For 2.0 fl.oz. of product per 1,000 sq.ft.: Measure 13.3 fl.oz. of product into sprayer jar. Add water or fill with water to the 32 fl.oz. line of the sprayer jar. Spray entire contents uniformly on 6,700 sq.ft. of lawn.
- **For Gilmour® Metering Dial Insecticide & Fertilizer Sprayer:**
 - For 1.5 fl.oz. of product per 1,000 sq.ft.: Set the dial to 1 tablespoon (3 teaspoons) per gallon. Add 1.5 ounces of herbicide to the sprayer bottle for each 1,000 sq. ft. of lawn to be treated. Insert siphon tube into the base of the sprayer head. Attach water hose to sprayer. Squeeze the handle and spray entire contents uniformly on area to be treated.
 - For 2.0 fl.oz. of product per 1,000 sq.ft.: Set the dial to 4 teaspoons per gallon. Add 2 ounces of herbicide to the sprayer bottle for each 1,000 sq. ft. of lawn to be treated. Insert siphon tube into the base of the sprayer head. Attach water hose to sprayer. Squeeze the handle and spray entire contents uniformly on area to be treated.

The maximum application rate to turf is 0.5 pound 2,4-D acid equivalent per acre per application per site. The maximum number of broadcast applications per treatment site is 2 per year.

II. SPOT TREATMENTS FOR COOL SEASON TURFGRASS.

HAND OPERATED OR PUMP-UP SPRAYERS:

For cool season turfgrass, mix 1.5 - 2.0 fl.oz. of 1382 EC Residential per 1.0 gallon of water for treatment of approximately 1,000 sq.ft. of turfgrass. Apply any time the emerged broadleaf weeds are susceptible. Spray the target weeds thoroughly and wet the entire leaf surface of the undesirable plants.

Spray volume, gals. Of water	Fluid ounces (fl.oz.) of product	Tablespoons (tbs.) of product	Area to be treated, sq.ft.
1 gallon	1.5 - 2.0 fl.oz.	3.0 - 4.0 tbs.	1,000 sq.ft.
2 gallons	3.0 - 4.0 fl.oz.	6.0 - 8.0 tbs.	2,000 sq.ft.
3 gallons	4.5 - 6.0 fl.oz.	9.0 - 12.0 tbs.	3,000 sq.ft.

Equal measures: 1.0 fl.oz. = 2 tablespoons.
1 tablespoon = 3 teaspoons

Use rates of 1382 EC Residential on cool season turfgrass as broadcast treatments are presented in Table 2.

TABLE 2. RATE RECOMMENDATIONS FOR WARM SEASON TURFGRASS.

Species	Amount of Product Fl.oz./1,000 sq.ft.	Treated Area, sq.ft.		
		8.0 fl.oz. sprayer jar or retail container	1.0 pt. (16 fl.oz.) sprayer jar or retail container	1.0 qt. (32 fl.oz.) sprayer jar or retail container
Common bermudagrass	1.0 - 2.0	4,000 - 8,000 sq.ft	8,000 - 16,000 sq.ft	16,000 - 32,000 sq.ft
Hybrid bermudagrass	0.75 - 1.5	5,300 - 10,600 sq.ft	10,600 - 21,300 sq. ft	21,300 - 43,000 sq.ft
Bahiagrass	0.75 - 1.5	5,300 - 10,600 sq.ft	10,600 - 21,300 sq. ft	21,300 - 43,000 sq.ft
Zoysiagrass	0.75 - 1.5	5,300 - 10,600 sq.ft	10,600 - 21,300 sq.ft	21,300 - 43,000 sq.ft
Buffalograss	0.75 - 1.5	5,300 - 10,600 sq.ft	10,600 - 21,300 sq.ft	21,300 - 43,000 sq.ft
St. Augustinegrass	0.75 - 1.5	5,300 - 10,600 sq.ft	10,600 - 21,300 sq.ft	21,300 - 43,000 sq.ft
Centipedegrass	0.75 - 1.5	5,300 - 10,600 sq.ft	10,600 - 21,300 sq.ft	21,300 - 43,000 sq.ft

HOW TO APPLY:

FOR ORTHO HOSE-END SPRAYERS FOR WARM SEASON TURFGRASS

- **For Ortho® Dial'N Spray Hose-End Sprayer:** Measure 1½ fl.oz. (3 Tbs.) into sprayer jar. Do not add water. Set dial to 1 Tbs. and spray uniformly on 1,000 sq.ft. of lawn.
- **For Ortho® Plant & Weed Sprayette® Hose-End Sprayer:** Measure 1½ fl.oz. (3 Tbs.) into sprayer jar. Fill with water to the 5 gallon mark and spray uniformly on 1,000 sq.ft. of lawn.
- **For Gilmour® 20-Gallon Lawn Sprayer, Model 390B, Sprayer Jar with 32 fl.oz. and Dilution Rate of 80:1:**
 - For 0.75 fl.oz. of product per 1,000 sq.ft.: Measure 5.0 fl.oz. of product into sprayer jar. Add water or fill with water to the 32 fl.oz. line of the sprayer jar. Spray entire contents uniformly on 6,700 sq.ft. of lawn.
 - For 1.0 fl.oz. of product per 1,000 sq.ft.: Measure 6.7 fl.oz. of product into sprayer jar. Add water or fill with water to the 32 fl.oz. line of the sprayer jar. Spray entire contents uniformly on 6,700 sq.ft. of lawn.
 - For 1.5 fl.oz. of product per 1,000 sq.ft.: Measure 10.0 fl.oz. of product into sprayer jar. Add water or fill with water to the 32 fl.oz. line of the sprayer jar. Spray entire contents uniformly on 6,700 sq.ft. of lawn.
 - For 2.0 fl.oz. of product per 1,000 sq.ft.: Measure 13.3 fl.oz. of product into sprayer jar. Add water or fill with water to the 32 fl.oz. line of the sprayer jar. Spray entire contents uniformly on 6,700 sq.ft. of lawn.

• **For Gilmour® Metering Dial Insecticide & Fertilizer Sprayer:**

- For 1.0 fl.oz. of product per 1,000 sq.ft.: Set the dial to 2 teaspoons per gallon. Add 1.0 ounce of herbicide to the sprayer bottle for each 1,000 sq. ft. of lawn to be treated. Insert siphon tube into the base of the sprayer head. Attach water hose to sprayer. Squeeze the handle and spray entire contents uniformly on area to be treated.
- For 1.5 fl.oz. of product per 1,000 sq.ft.: Set the dial to 1 tablespoons (3 teaspoons) per gallon. Add 1.5 ounces of herbicide to the sprayer bottle for each 1,000 sq. ft. of lawn to be treated. Insert siphon tube into the base of the sprayer head. Attach water hose to sprayer. Squeeze the handle and spray entire contents uniformly on area to be treated.
- For 2.0 fl.oz. of product per 1,000 sq.ft.: Set the dial to 4 teaspoons per gallon. Add 2 ounces of herbicide to the sprayer bottle for each 1,000 sq. ft. of lawn to be treated. Insert siphon tube into the base of the sprayer head. Attach water hose to sprayer. Squeeze the handle and spray entire contents uniformly on area to be treated.

SPOT TREATMENTS FOR WARM SEASON TURFGRASS:

HAND OPERATED OR PUMP-UP SPRAYERS.

For warm season turfgrass, mix 0.75 - 1.5 fl.oz. of 1382 EC Residential per 1.0 gallon of water for treatment of approximately 1,000 sq.ft. of turfgrass. Apply any time the emerged broadleaf weeds are susceptible. Spray the target weeds thoroughly and wet the entire leaf surface of the undesirable plants.

Spray volume, gals. Of water	Fluid ounces (fl.oz.) of product	Tablespoons (tbs.) of product	Area to be treated, sq.ft.
1 gallon	0.75 - 1.5 fl.oz.	1.5 - 3.0 tbs.	1,000 sq.ft.
2 gallons	1.5 - 3.0 fl.oz.	3.0 - 6.0 tbs.	2,000 sq.ft.
3 gallons	2.25 - 4.5 fl.oz.	4.5 - 9.0 tbs.	3,000 sq.ft.

Equal measures: 1.0 fl.oz. = 2 tablespoons.
 1 tablespoon = 3 teaspoons

The maximum application rate to turf is 0.5 pound 2,4-D acid equivalent per acre per application per site. The maximum number of broadcast applications per treatment site is 2 per year.

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Entire Lawn Treatments with **READY-TO-USE HOSE-END SPRAYERS:**

This product may be packaged as a ready-to-use product with no mixing. The retail plastic container is fitted with a sprayer body that delivers spray droplets at a fixed rate.

Use rates of 1382 EC Residential Herbicide as a broadcast treatment are presented in Table 1.

This retail sprayer bottle will cover the approximate areas described below when this product is applied to established turfgrass. Over-application or rates above those recommended on this label can cause turf injury.

Table 1. Approximate treated area of turfgrass when applying 1382 EC Residential Herbicide with a ready-to-use hose-end sprayer.

Species	Amount of Product to Use	Treated Area sq. ft. 1.0 pt. (16 fl. oz.) sprayer jar or retail container	Treated Area sq. ft. 1.0 qt. (32 fl. oz.) sprayer jar or retail container
Kentucky bluegrass, Perennial ryegrass, Tall fescue, Red or fine leaf fescues, Colonial bentgrass and Mixtures of cool season species	1.5—2.0 fl. oz. /1,000 sq. ft.	8,000—10,600 sq. ft.	16,000—21,300 sq. ft.
Common bermudagrass	1.0—2.0 fl. oz. /1,000 sq. ft.	8,000—10,600 sq. ft.	16,000—32,000 sq. ft.
Hybrid bermudagrass, Bahia grass Zoysiagrass, Buffalograss, St. Augustinegrass (except 'Floritam') and Centipedegrass	0.75—1.5 fl. oz. /1,000 sq. ft.	10,600—21,300 sq. ft.	21,300—43,000 sq. ft.

Instructions For a Ready-To-Use Hose-End Sprayer:

- **Determine [Measure]** the *total* lawn area to be sprayed by multiplying the length by the width to obtain *total* square feet.
- **CONNECT:** Attach [connect] garden hose to spray nozzle. Turn the spray nozzle lever [valve] to the "OFF" position.
- **SPRAY:** Turn on water at the faucet. Extend hose to the farthest area of the lawn [turf] to be treated. To begin spraying, turn [rotate] the spray nozzle lever [valve] to the "SPRAY" ["ON"] position. The herbicide mixes automatically with the water. Walk at a steady pace while spraying evenly and working toward the faucet. Refer to view strip [graduated scale] on side of container to guide coverage. [This xx fl. oz. container will treat up to xxxx sq. ft. of turfgrass.
- **FINISH:** To stop spraying, turn [rotate] spray nozzle lever [valve] to the "OFF" position. Turn off water at faucet. To relieve pressure, turn [rotate] spray nozzle to the "SPRAY" ["ON"] position and point sprayer away from any desirable plants before disconnecting the sprayer nozzle from the garden hose.

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• **BROADLEAF WEEDS CONTROLLED:**

1382 EC Residential will control or suppress the following broadleaf weeds and will control or suppress other broadleaf weeds that are susceptible to 2,4-D. A partial list is presented below.

- BROADLEAF WEEDS -		
Aster, white heath & white prairie	Field oxeye-daisy (*creeping oxeye)	Prostrate knotweed (*knotweed)
Bedstraw	Filaree, whitestem & redstem	Puncturevine
Beggarweed, creeping	Florida betony	Purple cudweed
Bindweed	Florida pusley	Purslane
Black medic	Ground ivy (*creeping Charlie)	Ragweed
Broadleaf plantain	Groundsel	Redweed
Buckhorn plantain	Hawkweed	Red sorrel (*sheep sorrel)
Bull thistle	Healall	Shepherdspurse
Burclover	Henbit	Spotted spurge
Burdock, common	Innocence (Blue-eyed Mary)	Spurge
Buttercup, creeping	Lambsquarters	Thistle
Carpetweed	Lawn burweed	<i>Veronica</i> (*corn speedwell)
Chickweed, common	Lespedeza, common	Virginia buttonweed
Chicory	Mallow, common	White clover (*Dutch clover, honeysuckle clover, white trefoil, & purplewort)
Cinquefoil	Matchweed	
Clover	Mouseear chickweed	Wild carrot
Compassplant	Old world diamond flower	Wild garlic
Curly dock	<i>Oxalis</i> (*yellow woodsorrel & creeping woodsorrel)	Wild geranium
Dandelion	Parsley-piert	Wild lettuce
Dayflower	Pennsylvania smartweed	Wild mustard
Deadnettle	Pennywort (*dollarweed)	Wild onion
Dock	Pepperweed	Wild strawberry
Dogfennel	Pigweed	Wild violet
English daisy	Pineappleweed	Yarrow
False dandelion (*spotted catsear & common catsear)	Plantain	Yellow rocket
Field bindweed (*morningglory & creeping jenny)	Poison ivy	
	Poison oak	

*Synonyms

STORAGE & DISPOSAL

PESTICIDE STORAGE: Store in original container in a locked storage area inaccessible to children or pets. Keep from freezing.

CONTAINER DISPOSAL:

If empty: Do not reuse this container. Place in trash or offer for recycling if available.

If partially filled: Call your local solid waste agency or toll free number (1-800-CLEANUP) for disposal instructions. Never place unused product down any indoor or outdoor drain.

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LIMITED WARRANTY AND DISCLAIMER.

The manufacturer warrants only that the chemical composition of this product conforms to the ingredient statement given on the label, and that the product is reasonably suited for the labeled use when applied according to the Directions for Use.

THE MANUFACTURER NEITHER MAKES NOR INTENDS ANY OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE EXPRESSLY DISCLAIMED. This limited warranty does not extend to the use of the product inconsistent with label instructions, warnings or cautions, or to use of the product under abnormal conditions such as drought, excessive rainfall, tornadoes, hurricanes, etc. These factors are beyond the control of the manufacturer or the seller. Any damages arising from a breach of the manufacturer's warranty shall be limited to direct damages, and shall not include indirect or consequential damages such as loss of profits or values, except as otherwise provided by law.

The terms of this Limited Warranty and Disclaimer cannot be varied by any written or verbal statements or agreements. No employee or agent of the seller is authorized to vary or exceed the terms of this Limited Warranty and Disclaimer in any manner.

APPENDIX

I. Advertising claims that may be presented on container labeling, advertisements, brochures, and other marketing/sales promotional materials:

- ◆ Rainfast in as little as 3 hours
- ◆ Rainfast [Rainproof] in 3 hours
- ◆ Visible results in just 24 hours
- ◆ Clover control in as little as one week
- ◆ Proven cool-weather performance
- ◆ Consistently fast control on tough weeds like clover, plantain, ground ivy and spurge [various other listed weeds].
- ◆ [This product] Smokes weeds, fast
- ◆ From the makers of Trimec® herbicides.
- ◆ For information call XXX-XXX-XXXX [contact www.xxx-xxxx.com]
- ◆ Rapid and Effective Weed Control for Troublesome Weeds in Turfgrass.
- ◆ Superior Cool Weather Performance.